

Attachment C
Screening Level Values and Laboratory Limits of Quantitation

DRAFT - Issued for Client Review

Parameter	Analytical Method	Units	Screening Levels				Laboratory LOQ
			SQS Protective Groundwater Screening Level ¹		Ecology MTCA Method B Standard Formula Values for Surface Water ²		
Metals			Total	Dissolved	Total	Dissolved	Total and Dissolved
Arsenic	EPA 6010B/6020	µg/L	NE	227	NE	--	36
Cadmium	EPA 6010B/6020	µg/L	NE	2.6	NE	--	1.03
Chromium	EPA 6010B/6020	µg/L	NE	306	NE	--	10
Copper	EPA 6010B/6020	µg/L	NE	123	NE	--	3.1
Lead	EPA 6010B/6020	µg/L	NE	11	NE	--	2.5
Mercury	EPA 7471A	µg/L	NE	0.0052	NE	--	0.1
Silver	EPA 6010B/6020	µg/L	NE	1.5	NE	25,900	--
Zinc	EPA 6010B/6020	µg/L	NE	33	NE	--	81
Polychlorinated Biphenyls (PCBs)							
Aroclor 1016	EPA 8082	µg/L	0.44		0.00582	--	--
Aroclor 1221	EPA 8082	--	--		--	--	--
Aroclor 1232	EPA 8082	--	--		--	--	--
Aroclor 1242	EPA 8082	--	--		--	--	--
Aroclor 1248	EPA 8082	µg/L	0.27		--	--	--
Aroclor 1254	EPA 8082	µg/L	0.16		0.00166	--	--
Aroclor 1260	EPA 8082	µg/L	0.058		--	--	--
Aroclor 1262	EPA 8082	--	--		--	--	--
Aroclor 1268	EPA 8082	--	--		--	--	--
Total PCBs	EPA 8082	µg/L	0.27		--	--	0.1 ⁴

NOTES:

Indicates selected screening level value for groundwater

Indicates selected screening level value for surface water.

Ecology = Washington State Department of Ecology

EPA = Environmental Protection Agency

LOQ = Limits of Quantitation

NE = not established

SQS = Sediment Quality Standards

TSC = Toxic Substances Criteria

¹Science Applications International Corporation (SAIC). 2007. Draft Source Control Action Plan - Slip Duwamish Waterway. Prepared for the Washington State Department of Ecology. February 2007.

²Ecology Cleanup Levels and Risk Calculations (CLARC) under the Model Toxics Control Act (MTCA) Cleanup Regulation, Standard Method B Formula Values for Surface Water, November 2001.

³Ecology Water Quality Standards for Surface Waters of the State of Washington, Toxic Substances Criteria for Marine Water, Chronic Toxicity, Chapter 173-201A of the Washington Administrative Code, November 2006.

⁴Ecology TSC values are less than the laboratory practical detection limit, therefore, the practical detection limit is used as the screening level.